

**Minutes
Of the
FM Focus Group
April 1-2, 2003 Meeting
At
Patuxent River Naval Air Station, Maryland**

Meeting Time/Date:

0830 - 1630/April 1, 2003

0830 – 1630/April 2, 2003

Meeting Location:

Building 505 Conference Room, Millstone Road, Patuxent River Naval Air Station, Maryland

Attendees:

1. Bobby Bean, Patuxent River Naval Air Station (PAX), phone: 301-757-1700, e-mail: beanra@navair.navy.mil
2. Katy Abbott, Eagan McAlister Associates (EMA), phone: 301-863-5242, e-mail: Kathryn_abbott@emainc.com
3. Ellen Lewis, EMA, phone: 301-904-7179, e-mail: ellen_lewis@emainc.com.
4. Linna Manomaitis, Booz Allen Hamilton (BAH), phone: 703-917-2278, e-mail: manomaitis_linna@bah.com
5. Penelope (Penny) Lumley, American Management Systems, Inc. (AMS), phone: 240-725-5102, e-mail: Penelope_Lumley@ams.com
6. Barry Schimpf, Upper 90 Systems, Inc., phone: 301-373-8311, e-mail: bschimpf@upper-90.com
7. Joy Silverio, BAH, phone: 703-902-5153, e-mail: silverio_mjoy@bah.com
8. Ray Sabella, AOT, phone: 301-757-1735, e-mail: sabellarj@navair.navy.mil
9. Chris Perrygo, EMA, phone: 301-863-5895 ext. 5262, email: chris_perrygo@emainc.com
10. Bobby Carpenter, CADD/GIS Technology Center, phone: 601-634-4572, e-mail: Bobby.G.Carpenter@erdc.usace.army.mil

Purpose of Meeting:

The purpose of the meeting was to review and develop the beta transactional FMSFIE, plan FY03-04 FMSFIE development activities, and update new attendees concerning the transactional FMSFIE. Meeting minutes and referenced slides & documents are available under “FM Focus Group Meetings & Activities” at:

<http://tsc.wes.army.mil/products/tssds-tsfmts/fms/projects/fmsfiepr.htm>

4/10/2003

Summary of Discussion:

Tuesday, April 1, 2003 -

The agenda included a review and discussion of the following items:

- ***Transactional FMSFIE Development Overview (Bobby Carpenter)*** – PowerPoint slides which summarized the Transactional FMSFIE development components and milestones were reviewed and edited. The updated slides “Transactional FMSFIE Development Overview” will be available at:
<http://tsc.wes.army.mil/products/tssds-tsfs/fms/slides/fmslides.asp>
- ***Coordination with RPES (Bobby Bean)*** – Bobby Bean provided an update concerning the Office Secretary of Defense (OSD) Real Property Enterprise System (RPES) effort. RPES is a sub-component of the OSD Financial Management Modernization Program (FMMP). The first priority of RPES is on Financial Management.
- ***Real Property Management (RPM) Regulations Website (Ellen Lewis & Katy Abbott)*** – The RPM website is available at: <http://rpm.wes.army.mil/>. Annual update and development work is being accomplished in partnership with the Patuxent River Naval Air Station (PAX). FY03-04 effort will focus on: (1) Site maintenance, (2) Providing a web-based link to the SDSFIE and FMSFIE databases, (3) Identify appropriate RPM regulations associated with each SDSFIE Entity Class & Table, (4) Review information security level issues, and (5) Review feasibility identifying appropriate RPM regulations associated with each AEC CADD Standard level/layer.
- ***FY03 & FY04 Transactional FMSFIE Development Focus Areas*** – The Transactional FMSFIE Project (Center Project No. 96.015) is comprised of five components: (1) Component 1 – Develop Content & Technical Guidance for FMSFIE Release; (2) Component 2 – Develop Software Tools for FMSFIE Release; (3) Component 3 – FMSFIE Related Meetings; (4) Expand Transactional FMSFIE Data Models; and (5) Maintain RPM WebSite. The FY03-04 Component 4 priorities are:
 - a. Complete expansion of FMSFIE physical data model to incorporate remainder of “Asset Entity Set, Facility Class, Building Subclass” (Facility, Architectural, Mechanical, Electrical, Interior Design, Plumbing, Security, Structural, and Telecom focus areas were incorporated into logical data model in FY01-02).
 - b. Expansion of FMSFIE logical and physical data model to incorporate “Asset Entity Set, Facility Class, Utility Subclass” (A/E/C CADD water, wastewater, fuel, electrical, heating focus areas were incorporated into logical data model in FY03).
 - c. Expansion of FMSFIE logical and physical data models to incorporate “Environmental Entity Set, Sampling Class”.

- d. Begin expansion of FMSFIE logical and physical data models to incorporate “Asset Entity Set, Facility Class, Structure Subclass, roads & airfields focus areas.
- e. Begin expansion of FMSFIE logical and physical data models to incorporate “Asset Entity Set, Land Class, range and training focus areas.
- f. Begin expansion of FMSFIE logical and physical data models to incorporate “Environmental Entity Set, Compliance Class”, “Environmental Entity Set, Pollution Prevention Class”, “Environmental Entity Set, Restoration Class”, and “Environmental Entity Set, Conservation Class” based upon data models developed by Navy and PAX.
- g. Expansion of FMSFIE logical and physical data models to incorporate “Work Entity Set”, “Information Security Entity Set”, “Public Safety Entity Set”, and “Organization Entity Set” based upon data models developed by Navy and PAX.

Wednesday, April 2, 2003 -

The agenda included a review and discussion of the following items:

- **Beta Transactional FMSFIE Browser (Barry Schimpf)** – Barry Schimpf demonstrated the Beta Transactional FMSFIE Browser software tool. The Beta FMSFIE is available for download from the “Download Standard” area of the FMSFIE website, or at:
http://tsc.wes.army.mil/products/tssds-tsfmts/fms/products/release230/fms_sw.html

Comments on graphical user interface (GUI) included:

- a. Editing of terminology on GUI including:
 - (1) Changing term “SDSFIE/FMSFIE Strategic Model” to “CADD/GIS Center Strategic Model”.
 - (2) Changing “SDS” to “Spatial Data Standard (SDSFIE)”, “FMS” to “Facility Management Standard (FMSFIE)”, and “AEC” to “AEC CADD Standard”.
- b. Provide box showing “Sub-Class” names and “Sources”
- c. Provide box showing the names of “Sources” (Sources for all tables, attributes, reference values, and definitions will be recorded.
- d. Change “Common Table Name” label to “Physical Table Name”
- e. Provide capability to view “candidate” tables, attributes, and reference values.

The methodology for integrating the FMSFIE and SDSFIE was also discussed. This can be accomplished in several ways, however, linking the “asset_said” primary key field from the FMSFIE “Asset” table to the “facil_id” primary key field of the SDSFIE “Facility” table provides one straight-forward approach.

The methodology for depicting the FMSFIE Reference Tables (similar to SDSFIE Domain Tables) was also discussed. This issue will require further analysis. The FMSFIE Reference Tables can be placed in two general categories:

a. “Traditional” Reference Tables (similar to SDSFIE Domain Tables) will contain a “pick-list of standard “valid values”. The existing SDSFIE Domain Tables would be used to the maximum extent. For Reference Tables unique to the FMSFIE, the “valid values” can be provided in one table to facilitate the automated construction and population of Reference Tables using the FMSFIE Generator tools.

b. “Special” Reference Tables contain attributes not standard to each FMSFIE Reference Table. These tables can be either pre-built, or constructed in the same manner as typical tables.

The following three options (with Option 3 chosen) for organization of the FMSFIE Reference Tables were also discussed:

a. Option 1 – Put all Reference Tables for each FM Entity Set in same FM Entity Class entitled “Reference”. Example: FM Entity Set – Assets; Table Name – Space Type Reference; FM Entity Class – Reference

b. Option 2 – Put Reference Tables within most appropriate Class & Subclass, and in Family entitled “Reference”. Example: FM Entity Set – Assets; Table Name – Space Type Reference; FM Entity Class – Facility; FM Entity Subclass – Building; FM Family – Reference

c. Option 3 – Put Reference Tables within most appropriate Class, Subclass, & Family. Example: FM Entity Set – Assets; Table Name – Space Type Reference; FM Entity Class – Facility; FM Entity Subclass – Building; FM Family – Space

- ***Transactional FMSFIE Naming Convention & Structure Specification paper (Bobby Carpenter)*** – This paper was prepared for the purpose of publishing a detailed description of the transactional FMSFIE naming conventions and structure. The most current version will be available from the “Papers” area of the FMSFIE website, or at:
<http://tsc.wes.army.mil/products/tssds-tsfs/fms/papers/papers.asp>

The paper was reviewed and edited. Additional definitions (for further editing at a future FM Focus Group Meeting) were obtained from the RPM website. Two definitions which were incorporated into the paper are:

Transactional - Transactional is defined as communicative actions or activities, involving multiple parties or things that reciprocally affect each other in a near real time setting that is based on life cycle events.

Facilities, Infrastructure, and Environment - Facilities, Infrastructure, and Environment is recognized as the focal point for utilization and management capabilities that Computer Aided Drafting and Design, Geospatial Information, and Facility Management support. The Facilities, Infrastructure and

Environmental establishes a cooperative interaction of private, public, and academic resources for the investigation, verification, and transfer of integrated information.

- **Review Transactional FMSFIE Data Models (Penny Lumley)** – Several logical and physical data models were reviewed and discussed. Several items discussed include:
 - a. “Manufacturer” table will no longer be a Reference Table.
 - b. The “Photo” table will be changed to “Multimedia” table.
 - c. The correlation depicting the relationship of OSD Real Property (from “Assessment of DoD Real Property Information Systems” dated August 8, 2001) and the transactional FMSFIE tables was reviewed and updated.

Action Items:

The following action items were identified:

- **Penny Lumley:**
 - a. Penny will prepare a brief discussion paper concerning use of the various “Object” tables (due April 15, 2003).
 - b. Export tables and attributes from Logical Data Models to an Excel Spreadsheet for use by EMA, OAT, and BAH in the Navy/Pax Gap Analysis project (due April 15, 2003).
 - c. Complete integration of Structural and Interior Design into physical FMSFIE data model (due May 1, 2003).
 - d. Additional target data model completion dates are to be included in the AMS Scope of Work.
- **Barry Schimpf:**
 - a. Update beta Transactional FMSFIE Browser based upon review comments (due April 15, 2003).
- **Bobby Carpenter:**
 - a. Update Table Code Names based upon review comments (due April 15, 2003).
 - b. Complete AMS Scope of Work (completed April 7, 2003).
 - c. Update FMSFIE Comments Template (completed April 2, 2003).
 - d. Update Transactional FMSFIE Naming Convention & Structure Specification paper (due April 15, 2003).
 - e. Prepare meeting minutes (completed April 10, 2003).
- **Ellen Lewis:**
 - a. Expand on identified FMSFIE definitions (completed April 10, 2003).